

Collecting Activity Data for Emission Modeling in the State of Mississippi

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Introduction to MS Data Collection Process

- This presentation should help NOVICE users
- Mississippi's need for modeling
- How to obtain early "victories" in your quest for data
- Problematic data sources
- Use of contractual work for data processing

Mississippi's Need for Modeling

- Involved with Ozone
 Transport Assessment
 Group (OTAG) study
- Two (2) current ozone studies in areas of concern

Gulf Coast Ozone Study (GCOS)



Arkansas-Tennessee-Mississippi Ozone Study (ATMOS)



Area of Interest for MS is the Memphis, TN MSA

Keys to Early "Victories" for Data Collection

- Use the "Emission Inventory Review Guidelines" from EPAshould be released summer 2001-Bob McConnell, EPA, Region I
- The Guidelines provide data sources and acceptable emission methodology

Keys to Early "Victories" for Data Collection (2)

- DOCUMENT, DOCUMENT, DOCUMENT!
- Staff member(s) in charge of the data acquisition should be ORGANIZED-maintain accurate records
- Keep phone conversation records-Will you remember a name and phone # three (3) years from now?

Keys to Early "Victories" for Data Collection (3)

- After you find the data, ask for ELECTRONIC copies
- Make sure to clarify the units on the data (for instance, GTM, gallons of fuel used, etc.)
- Obtain county-level data (not state-level)- the state-level data must be delineated to the county-level by some means

Data Processing

- If there aren't ELECTRONIC copies, request hard copies
- Data entry for hard copies is timeconsuming- may want to hire a contractual/student worker for the data entry
- QA/QC data after data entry

Problem Data Sources for MS



- Area Source-Commercial Marine Vessels
- May use the Waterborne Commerce CD-ROM from the U.S. Army Corps of Engr.
- Different states have called us about this

Problem Data Sources for MS(2)



- Non-Road Mobile Source- Rail traffic
- We have obtained some rail info from the Surface Transportation
 Board- not delineated to the county-level
- Some data is "proprietary"

Problem Data Sources for MS(3)

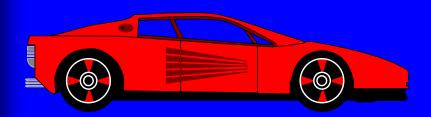


- Area Source-Wild/Forest Fires
- We acquired data from the MS
 Forestry
 Commission for location

U. S. Census Data

- Critical factor for emission calculations - especially when using surrogate factors
- It has been updated and will be available for use soon

Mobile Source Emissions



- This represents a significant portion of emissions in the state of MS
- MOBILE-6 should be released sometime soon (this summer?)use VMT data

Point Source Emissions



- "In-house" Title-V permitting info-Power Plants will be significant emission sources
- Good news-you should already have this in a dB somewhere

Conclusions

- Plan on having a full-time employee to do activity data acquisition-this is a time-consuming process
- Focus on early "victories" like onroad mobile source emissions to keep your momentum rolling
- After you have "finished" collecting data, document the final data sources for the next round

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